Author index of Volume 114

Ali, F. and M.A. Kassar, The MacCormack difference scheme and radiation	440 454
transport	169–176
Aguirre, L.A., Computer-aided analysis and design of control systems using	
model approximation techniques	273–294
Babuška, I., T. Strouboulis and C.S. Upadhyay, A model study of the quality	
of a posteriori error estimators for linear elliptic problems. Error estimation	
in the interior of patchwise uniform grids of triangles	307-378
Benallal, A., see Florez-Lopez, J.	193-212
Benkhaldoun, F., R. Borghi and M. Gonzalez, A nine points finite volume	
computation of droplet flame ignition	295-305
Billardon, R., see Florez-Lopez, J.	193-212
Bonet, J., The incremental flow formulation for the numerical analysis of plane	
stress and thin sheet viscous forming processes	103-122
Borghi, R., see Benkhaldoun, F.	295-305
Chen Zhi-Da, see Li Ping	21- 34
Dvorkin, E.N., D. Pantuso and E.A. Repetto, A finite element formulation for finite strain elasto-plastic analysis based on mixed interpolation of	
tensorial components	35- 54
Eriksson, A., Fold lines for sensitivity analyses in structural instability	77-101
Florez-Lopez, J., A. Benallal, G. Geymonat and R. Billardon, A two-field	
finite element formulation for elasticity coupled to damage	193–212
Geymonat, G., see Florez-Lopez, J.	193-212
Godard, JL., see Jacquotte, OP.	1- 19
Gonzalez, M., see Benkhaldoun, F.	295–305
Jacquotte, OP. and JL. Godard, Multidomain solution algorithm for	
potential flow computations around complex configurations	1- 19
Jiang, BN., T.L. Lin and L.A. Povinelli, Large-scale computation of	
incompressible viscous flow by least-squares finite element method	213-231
Jinka, A.G.K. and R.W. Lewis, Finite element simulation of hot isostatic	
pressing of metal powders	249-272
Kassar, M.A., see Ali, F.	169-176
Leschziner, M.A., see Lien, F.S.	123-148, 149-167
Lewis, R.W., see Jinka, A.G.K.	249-272

Li Ping and Chen Zhi-Da, The updated co-moving coordinate formulation of	21- 34
continuum mechanics based on the S-R decomposition theorem	21- 34
Lien, F.S. and M.A. Leschziner, A general non-orthogonal collocated finite	
volume algorithm for turbulent flow at all speeds incorporating second-	100 110
moment closure, Part 1: Computational implementation	123-148
Lien, F.S. and M.A. Leschziner, A general non-orthogonal collocated finite	
volume algorithm for turbulent flow at all speeds incorporating second-	
moment turbulence-transport closure, Part 2: Application	149-167
Liew, K.M. and C.W. Lim, A global continuum Ritz formulation for flexural	
vibration of pretwisted trapezoidal plates with one edge built in	233-247
Liew, K.M., see Liu, A.Q.	379-396
Lim, C.W., see Liew, K.M.	233-247
Lin, T.L., see Jiang, BN.	213-231
Liu, A.Q. and K.M. Liew, Non-linear substructure approach for dynamic	
analysis of rigid-flexible multibody systems	379-396
Mistakidis, E.S. and P.D. Panagiotopoulos, On the approximation of	
nonmonotone multivalued problems by monotone subproblems	55- 76
Panagiotopoulos, P.D., see Mistakidis, E.S.	55- 76
Pantuso, D., see Dvorkin, E.N.	35- 54
Povinelli, L.A., see Jiang, BN.	213-231
Repetto, E.A., see Dvorkin, E.N.	35- 54
Schrefler, B.A., see Turska, E.	177-188
Strouboulis, T., see Babuška, I.	307-378
Turska, E., K. Wisniewski and B.A. Schrefler, Error propagation of staggered	
solution procedures for transient problems	177-188
Upadhyay, C.S., see Babuška, I.	307-378
Wisniewski, K., see Turska, E.	177-188

103-122

Subject index of Volume 114

Control theory Computer-aided analysis and design of control systems using model approximation techniques, L.A. Aguirre 273-294 Coupled problems Finite element simulation of hot isostatic pressing of metal powders, A.G.K. 249-272 Jinka and R.W. Lewis Dynamics A global continuum Ritz formulation for flexural vibration of pretwisted trapezoidal plates with one edge built in, K.M. Liew and C.W. Lim 233-247 Computer-aided analysis and design of control systems using model approximation techniques, L.A. Aguirre 273-294 Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems, A.Q. Liu and K.M. Liew 379-396 Design of programs Computer-aided analysis and design of control systems using model approxi-273-294 mation techniques, L.A. Aguirre Elasticity Fold lines for sensitivity analyses in structural instability, A. Eriksson 77 - 101Non-linear substructure approach for dynamic analysis of rigid-flexible multibody 379-396 systems, A.Q. Liu and K.M. Liew Finite difference methods The MacCormack difference scheme and radiation transport, F. Ali and M.A. 169 - 176Error propagation of staggered solution procedures for transient problems, E. Turska, K. Wisniewski and B.A. Schrefler 177 - 188A nine points finite volume computation of droplet flame ignition, F. Benkhaldoun, R. Borghi and M. Gonzalez 295-305 Finite element and matrix methods The updated co-moving coordinate formulation of continuum mechanics based on 21 - 34the S-R decomposition theorem, Li Ping and Chen Zhi-Da A finite element formulation for finite strain elasto-plastic analysis based on mixed interpolation of tensorial components, E.N. Dvorkin, D. Pantuso and E.A. Repetto 35- 54 On the approximation of nonmonotone multivalued problems by monotone subproblems, E.S. Mistakidis and P.D. Panagiotopoulos 55- 76 Fold lines for sensitivity analyses in structural instability, A. Eriksson 77-101 The incremental flow formulation for the numerical analysis of plane stress and

thin sheet viscous forming processes, J. Bonet

Error propagation of staggered solution procedures for transient problems, E. Turska, K. Wisniewski and B.A. Schrefler	177-188
A two-field finite element formulation for elasticity coupled to damage, J. Florez-Lopez, A. Benallal, G. Geymonat and R. Billardon	193-212
Large-scale computation of incompressible viscous flow by least-squares finite element method, BN. Jiang, T.L. Lin and L.A. Povinelli	213-231
Finite element simulation of hot isostatic pressing of metal powders, A.G.K. Jinka and R.W. Lewis	249-272
A model study of the quality of a posteriori error estimators for linear elliptic problems. Error estimation in the interior of patchwise uniform grids of triangles, I. Babuška, T. Strouboulis and C.S. Upadhyay	307-378
Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems, A.Q. Liu and K.M. Liew	379–396
Fluid mechanics	
The MacCormack difference scheme and radiation transport, F. Ali and M.A. Kassar	169–176
Large-scale computation of incompressible viscous flow by least-squares finite element method, BN. Jiang, T.L. Lin and L.A. Povinelli	213-231
A nine points finite volume computation of droplet flame ignition, F. Benkhaldoun, R. Borghi and M. Gonzalez	295-305
Fracture mechanics	
A two-field finite element formulation for elasticity coupled to damage, J. Florez-Lopez, A. Benallal, G. Geymonat and R. Billardon	193-212
Gas dynamics The MacCormack difference scheme and radiation transport, F. Ali and M.A.	
Kassar	169–176
General Rayleigh-Ritz and Galerkin techniques	
A global continuum Ritz formulation for flexural vibration of pretwisted trapezoi- dal plates with one edge built in, K.M. Liew and C.W. Lim	233-247
Incompressible and near incompressible media	
Large-scale computation of incompressible viscous flow by least-squares finite element method, BN. Jiang, T.L. Lin and L.A. Povinelli Finite element simulation of hot isostatic pressing of metal powders, A.G.K.	213-231
Jinka and R.W. Lewis	249-272
Kinematics	
Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems, A.Q. Liu and K.M. Liew	379-396
Nonlinear mechanics	
The updated co-moving coordinate formulation of continuum mechanics based on the S-R decomposition theorem, Li Ping and Chen Zhi-Da	21- 34
A finite element formulation for finite strain elasto-plastic analysis based on mixed interpolation of tensorial components, E.N. Dvorkin, D. Pantuso and	
E.A. Repetto On the approximation of nonmonotone multivalued problems by monotone	35- 54
subproblems, E.S. Mistakidis and P.D. Panagiotopoulos Fold lines for sensitivity analyses in structural instability, A. Eriksson	55- 76 77-101
Told lines for sensitivity analyses in structural instability, A. Effksson	//-101

The incremental flow formulation for the numerical analysis of plane stress and thin sheet viscous forming processes, J. Bonet	103-122
Non-linear substructure approach for dynamic analysis of rigid-flexible multibody	103-122
systems, A.Q. Liu and K.M. Liew	379-396
Numerical solution procedures	
Multidomain solution algorithm for potential flow computations around complex configurations, OP. Jacquotte and JL. Godard	1- 19
On the approximation of nonmonotone multivalued problems by monotone	
subproblems, E.S. Mistakidis and P.D. Panagiotopoulos	55- 76
Fold lines for sensitivity analyses in structural instability, A. Eriksson	77-101
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	
all speeds incorporating second-moment turbulence-transport closure, Part 1:	
Computational implementation, F.S. Lien and M.A. Leschziner	123-148
A general non-orthogonal collocated finite volume algorithm for turbulent flow at all speeds incorporating second-moment turbulence-transport closure, Part 2:	140 1/7
Application, F.S. Lien and M.A. Leschziner	149–167
The MacCormack difference scheme and radiation transport, F. Ali and M.A.	160 176
Kassar	169–176
Error propagation of staggered solution procedures for transient problems, E.	122 100
Turska, K. Wisniewski and B.A. Schrefler	177–188
A global continuum Ritz formulation for flexural vibration of pretwisted trapezoi-	222 247
dal plates with one edge built in, K.M. Liew and C.W. Lim	233-247
A model study of the quality of a posteriori error estimators for linear elliptic	
problems. Error estimation in the interior of patchwise uniform grids of triangles, I. Babuška, T. Strouboulis and C.S. Upadhyay	307-378
triangles, 1. Dabuska, 1. Stroubouns and C.S. Opaunyay	307-376
Optimization	
Fold lines for sensitivity analyses in structural instability, A. Eriksson	77-101
,,,,,,,,,,,,	
Plasticity	
A finite element formulation for finite strain elasto-plastic analysis based on	
mixed interpolation of tensorial components, E.N. Dvorkin, D. Pantuso and	
E.A. Repetto	35- 54
Finite element simulation of hot isostatic pressing of metal powders, A.G.K.	
Jinka and R.W. Lewis	249-272
Problems in physics	
The MacCormack difference scheme and radiation transport, F. Ali and M.A. Kassar	169-176
Shells and plates	
A global continuum Ritz formulation for flexural vibration of pretwisted trapezoi-	
dal plates with one edge built in, K.M. Liew and C.W. Lim	233-247
Solution of differential equations	
The MacCormack difference scheme and radiation transport, F. Ali and M.A.	
Kassar	169–176
Solutions of ordinary and partial differential equations	
The MacCormack difference scheme and radiation transport, F. Ali and M.A.	
Kassar	169-176

Error propagation of staggered solution procedures for transient problems, E. Turska, K. Wisniewski and B.A. Schrefler	177-188
Stability in structural mechanics	
Fold lines for sensitivity analyses in structural instability, A. Eriksson	77–101
Structural mechanics	
Fold lines for sensitivity analyses in structural instability, A. Eriksson A global continuum Ritz formulation for flexural vibration of pretwisted trapezoi-	77–101
dal plates with one edge built in, K.M. Liew and C.W. Lim	233-247
Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems, A.Q. Liu and K.M. Liew	379-396
Subsonic flow	
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	
all speeds incorporating second-moment turbulence-transport closure, Part 1: Computational implementation, F.S. Lien and M.A. Leschziner	123-148
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	125-140
all speeds incorporating second-moment turbulence-transport closure, Part 2:	
Application, F.S. Lien and M.A. Leschziner	149–167
Supersonic flow	
The MacCormack difference scheme and radiation transport, F. Ali and M.A.	160 176
Kassar Multidomain solution algorithm for potential flow computations around complex	169–176
configurations, OP. Jacquotte and JL. Godard	1- 19
Systems of linear and nonlinear simultaneous equations	
Error propagation of staggered solution procedures for transient problems, E. Turska, K. Wisniewski and B.A. Schrefler	177-188
Thermal effects and thermodynamics	
A nine points finite volume computation of droplet flame ignition, F. Benkhaldoun, R. Borghi and M. Gonzalez	295-305
Transonic flow	
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	
all speeds incorporating second-moment turbulence-transport closure, Part 1: Computational implementation, F.S. Lien and M.A. Leschziner	123-148
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	123-146
all speeds incorporating second-moment turbulence-transport closure, Part 2:	
Application, F.S. Lien and M.A. Leschziner	149–167
Transport phenomena	
A nine points finite volume computation of droplet flame ignition, F. Benkhaldoun, R. Borghi and M. Gonzalez	295-305
Turbulence	
A general non-orthogonal collocated finite volume algorithm for turbulent flow at	
all speeds incorporating second-moment turbulence-transport closure, Part 1:	100 140
Computational implementation, F.S. Lien and M.A. Leschziner A general non-orthogonal collocated finite volume algorithm for turbulent flow at	123–148
all speeds incorporating second-moment turbulence-transport closure, Part 2:	
Application, F.S. Lien and M.A. Leschziner	149-167

Viscous flow

The incremental flow formulation for the numerical analysis of plane stress and thin sheet viscous forming processes, J. Bonet

103-122

Wave motion

The MacCormack difference scheme and radiation transport, F. Ali and M.A. Kassar

169-176